L Number	Hits	Search Text	DB	Time stamp
1	111	rectangular adj capillary	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:57
2	26	(rectangular adj capillary) and microfluidic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:36
3	0	PCT/US99/23814	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:55
4	0	PCT and US99 and "23814"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:44
5	139	"23814"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:44
6	11	"23814" and pct	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:47
7	21	("4390403" | "4457184" | "4908112" | "5126022" | "5229297" | "5282942" | "5286356" | "5358612" | "5415747" | "5498392" | "5571410" | "5585069" | "5593838" | "5603351" | "5635358" | "5637469" | "5750015" | "5779868" | "5800690" | "5890745" | "5980704").PN.	USPAT	2004/03/14 21:47
8	14	6149787.URPN.	USPAT	2004/03/14 21:47
9	35	(("4390403" | "4457184" | "4908112" | "5126022" | "5229297" | "5282942" | "5286356" | "5358612" | "5415747" | "5498392" | "5571410" | "5585069" | "5593838" | "5603351" | "5635358" | "5637469" | "5750015" | "5779868" | "5800690" | "5890745" | "5980704").PN.) 6149787.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:47
10	0	WO9923814	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:56
11	1	WO99/23814	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:56
12	155	(square rectang$4) adj capillary	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:57
13	43	((square rectang$4) adj capillary) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:58

14	17	(((square rectang$4) adj capillary) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel)) not ((rectangular adj capillary) and microfluidic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 22:45
15	0	"Turner (1993) has cited"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 22:46
16	0	(rectangular adj capillary) and Turner near2 cited near2 reports	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 22:47
17	1	(rectangular adj capillary) and Turner	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 22:47
18	4	((square rectang$4) adj capillary) and Turner	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 22:48
-	2	("6322683").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 17:54
-	58	("4390403" | "4908112" | "4963498" | "5089099" | "5116471" | "5126022" | "5140161" | "5144139" | "5164598" | "5188963" | "5192405" | "5270183" | "5282942" | "5302264" | "5304487" | "5358612" | "5415747" | "5486335" | "5498392" | "5536382" | "5560811" | "5571410" | "5585069" | "5593836" | "5603351" | "5605662" | "5630925" | "5635358" | "5637469" | "5699157" | "5750015" | "5779868" | "5800690" | "5842787" | "5852495" | "5869004" | "5876675" | "5880071" | "5882465" | "5885470" | "5890745" | "5942443" | "5948227" | "5955028" | "5957579" | "5958203" | "5958694" | "5959291" | "5964995" | "5965001" | "5965410" | "5972187" | "5976336" | "5989402" | "6001231" | "6004515" | "6011252" | "6012902").PN.	USPAT	2004/01/27 19:37
-	3	6322683.URPN.	USPAT	2004/01/27 19:37

| - | 9 | (("4390403" \| "4908112" \| "4963498" \| "5089099" \| "5116471" \| "5126022" \| "5140161" \| "5144139" \| "5164598" \| "5188963" \| "5192405" \| "5270183" \| "5282942" \| "5302264" \| "5304487" \| "5358612" \| "5415747" \| "5486335" \| "5498392" \| "5536382" \| "5560811" \| "5571410" \| "5585069" \| "5593836" \| "5603351" \| "5605662" \| "5630925" \| "5635358" \| "5637469" \| "5699157" \| "5750015" \| "5779868" \| "5800690" \| "5842787" \| "5852495" \| "5869004" \| "5876675" \| "5880071" \| "5882465" \| "5885470" \| "5890745" \| "5942443" \| "5948227" \| "5955028" \| "5957579" \| "5958203" \| "5958694" \| "5959291" \| "5964995" \| "5965001" \| "5965410" \| "5972187" \| "5976336" \| "5989402" \| "6001231" \| "6004515" \| "6011252" \| "6012902").PN.) not ((("4390403" \| "4908112" \| "4963498" \| "5089099" \| "5116471" \| "5126022" \| "5140161" \| "5144139" \| "5164598" \| "5188963" \| "5192405" \| "5270183" \| "5282942" \| "5302264" \| "5304487" \| "5358612" \| "5415747" \| "5486335" \| "5498392" \| "5536382" \| "5560811" \| "5571410" \| "5585069" \| "5593836" \| "5603351" \| "5605662" \| "5630925" \| "5635358" \| "5637469" \| "5699157" \| "5750015" \| "5779868" \| "5800690" \| "5842787" \| "5852495" \| "5869004" \| "5876675" \| "5880071" \| "5882465" \| "5885470" \| "5890745" \| "5942443" \| "5948227" \| "5955028" \| "5957579" \| "5958203" \| "5958694" \| "5959291" \| "5964995" \| "5965001" \| "5965410" \| "5972187" \| "5976336" \| "5989402" \| "6001231" \| "6004515" \| "6011252" \| "6012902").PN.) and (microgroove micro-groove trench channel trough caplillary groove)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/27 20:40 |
| - | 49 | (("4390403" \| "4908112" \| "4963498" \| "5089099" \| "5116471" \| "5126022" \| "5140161" \| "5144139" \| "5164598" \| "5188963" \| "5192405" \| "5270183" \| "5282942" \| "5302264" \| "5304487" \| "5358612" \| "5415747" \| "5486335" \| "5498392" \| "5536382" \| "5560811" \| "5571410" \| "5585069" \| "5593836" \| "5603351" \| "5605662" \| "5630925" \| "5635358" \| "5637469" \| "5699157" \| "5750015" \| "5779868" \| "5800690" \| "5842787" \| "5852495" \| "5869004" \| "5876675" \| "5880071" \| "5882465" \| "5885470" \| "5890745" \| "5942443" \| "5948227" \| "5955028" \| "5957579" \| "5958203" \| "5958694" \| "5959291" \| "5964995" \| "5965001" \| "5965410" \| "5972187" \| "5976336" \| "5989402" \| "6001231" \| "6004515" \| "6011252" \| "6012902").PN.) and (microgroove micro-groove trench channel trough caplillary groove) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/27 20:12 |

-	21	(((("4390403" | "4908112" | "4963498" | "5089099" | "5116471" | "5126022" | "5140161" | "5144139" | "5164598" | "5188963" | "5192405" | "5270183" | "5282942" | "5302264" | "5304487" | "5358612" | "5415747" | "5486335" | "5498392" | "5536382" | "5560811" | "5571410" | "5585069" | "5593836" | "5603351" | "5605662" | "5630925" | "5635358" | "5637469" | "5699157" | "5750015" | "5779868" | "5800690" | "5842787" | "5852495" | "5869004" | "5876675" | "5880071" | "5882465" | "5885470" | "5890745" | "5942443" | "5948227" | "5955028" | "5957579" | "5958203" | "5958694" | "5959291" | "5964995" | "5965001" | "5965410" | "5972187" | "5976336" | "5989402" | "6001231" | "6004515" | "6011252" | "6012902").PN.) and (microgroove micro-groove trench channel trough caplillary groove)) and (align$4 registration regist?r)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/27 20:15
-	28	(((("4390403" | "4908112" | "4963498" | "5089099" | "5116471" | "5126022" | "5140161" | "5144139" | "5164598" | "5188963" | "5192405" | "5270183" | "5282942" | "5302264" | "5304487" | "5358612" | "5415747" | "5486335" | "5498392" | "5536382" | "5560811" | "5571410" | "5585069" | "5593836" | "5603351" | "5605662" | "5630925" | "5635358" | "5637469" | "5699157" | "5750015" | "5779868" | "5800690" | "5842787" | "5852495" | "5869004" | "5876675" | "5880071" | "5882465" | "5885470" | "5890745" | "5942443" | "5948227" | "5955028" | "5957579" | "5958203" | "5958694" | "5959291" | "5964995" | "5965001" | "5965410" | "5972187" | "5976336" | "5989402" | "6001231" | "6004515" | "6011252" | "6012902").PN.) and (microgroove micro-groove trench channel trough caplillary groove)) not ((((("4390403" | "4908112" | "4963498" | "5089099" | "5116471" | "5126022" | "5140161" | "5144139" | "5164598" | "5188963" | "5192405" | "5270183" | "5282942" | "5302264" | "5304487" | "5358612" | "5415747" | "5486335" | "5498392" | "5536382" | "5560811" | "5571410" | "5585069" | "5593836" | "5603351" | "5605662" | "5630925" | "5635358" | "5637469" | "5699157" | "5750015" | "5779868" | "5800690" | "5842787" | "5852495" | "5869004" | "5876675" | "5880071" | "5882465" | "5885470" | "5890745" | "5942443" | "5948227" | "5955028" | "5957579" | "5958203" | "5958694" | "5959291" | "5964995" | "5965001" | "5965410" | "5972187" | "5976336" | "5989402" | "6001231" | "6004515" | "6011252" | "6012902").PN.) and (microgroove micro-groove trench channel trough caplillary groove)) and (align$4 registration regist?r))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/27 20:40
-	106	rectangular adj capillary	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 16:53

-	24	(rectangular adj capillary) and microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:29
-	0	notch near edge and microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:19
-	16	notch with edge and microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:19
-	3742	drill and align$4 microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:30
-	3738	drill with align$4 microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:30
-	0	drill with align$4 and microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:30
-	0	drill same align$4 and microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:30
-	0	drill and align$4 and microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:31
-	80	drill and align$4 and microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:31
-	1	drill near align$4 and microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:31
-	6	drill with align$4 and microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:34
-	17	drill same align$4 and microfluid$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:42
-	63	(drill and align$4 and microfluid$2) not (drill same align$4 and microfluid$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/28 17:42
-	230	(microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) with (edge side) near (substrate wafer plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 18:44

-	15	(microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 18:06
-	343	(microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) with (substrate wafer plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 18:07
-	70	(microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 18:07
-	59	((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 21:58
-	38	(microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 19:00
-	26	((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 18:45
-	167	(microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 19:02

| - | 127 | ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/14 19:01 |
| - | 24 | (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near3 (substrate wafer plate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/14 19:13 |

| - | 11 | (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near5 (substrate wafer plate) not ((((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near3 (substrate wafer plate)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/14 19:14 |

| - | 61 | (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near8 (substrate wafer plate) not ((((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near3 (substrate wafer plate)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/14 19:33 |

–	42	(((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) not (((((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate)))) and (microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near3 (substrate wafer plate)) ((((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 19:48

-	40	((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate)) not (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate)) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) (((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) same (notch channel port portal groove) near (edge side) near (substrate wafer plate))) ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) near (substrate wafer plate))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 19:54
-	182	((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) with (edge side) near (substrate wafer plate)) not ((microfluid micro-fluid micro adj fluid microfluidic micro-fluidic micro adj fluidic microchannel micro-channel micro adj channel) and (notch channel port groove) near (edge side) with (substrate wafer plate))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 19:55
-	458	caliper.as.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 19:56
-	47	caliper.as. and @pd<19990414	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 20:02